

AMENDMENTS TO THE CLAIMS:

The listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claims 1-5 (canceled)

Claim 6 (currently amended): A method for deploying a medical device within vasculature using a system including a catheter and a plunger, the catheter having a delivery sheath portion that substantially mates with a delivery sheath portion of the plunger, the delivery sheath portion of the catheter having a larger diameter than remaining portions of the catheter, comprising:

gaining access to vasculature;

advancing the system to a target site within vasculature;

causing relative longitudinal motion between the plunger and the catheter;

deploying the medical device at the target site by engaging the medical device with the delivery sheath portion of the plunger;

withdrawing the plunger so that it substantially mates with the delivery sheath portion of the catheter; and

removing the system from the vasculature;

wherein the system further includes an inner tube slidably disposed in the catheter and further comprising translating the inner tube longitudinally independently of the plunger beyond a terminal end of the catheter.

Claim 7 (canceled)

Claim 8 (currently amended): The method of claim [[7,]]6 wherein the system includes a guidewire slidably received within the inner tube and further comprising placing the guidewire within the vasculature.

Claim 9 (previously presented): The method of claim 8, further comprising configuring the guidewire across the target site.

Claim 10 (previously presented): The method of claim 9, further comprising advancing the catheter and plunger over the guidewire to the target site.

Claim 11 (previously presented): The method of claim 10, wherein the system includes a introducer sheath sized to receive the delivery sheath and further comprising configuring the system for placement within vasculature by coaxially arranging the introducer sheath about the delivery sheath and the delivery sheath about the plunger and inner tube.

Claim 12 (previously presented): The method of claim 11, further comprising employing the introducer sheath to dilate an insertion site into which the system is advanced.

Claim 13 (previously presented): The method of claim 12, further comprising removing the introducer sheath while leaving the delivery sheath in place in the vasculature.

Claim 14 (previously presented): The method of claim 6, wherein the medical device is self-expanding.

Claim 15 (previously presented): The method of claim 6, wherein the medical device is a stent/graft.

Claim 16 (previously presented): The method of claim 6, wherein the system includes an introducer sheath and further comprising introducing the introducer sheath within vasculature subsequent to placement of the delivery sheath into vasculature.

Claim 17 (previously presented): The method of claim 6, wherein the plunger is advanced with respect to the catheter.